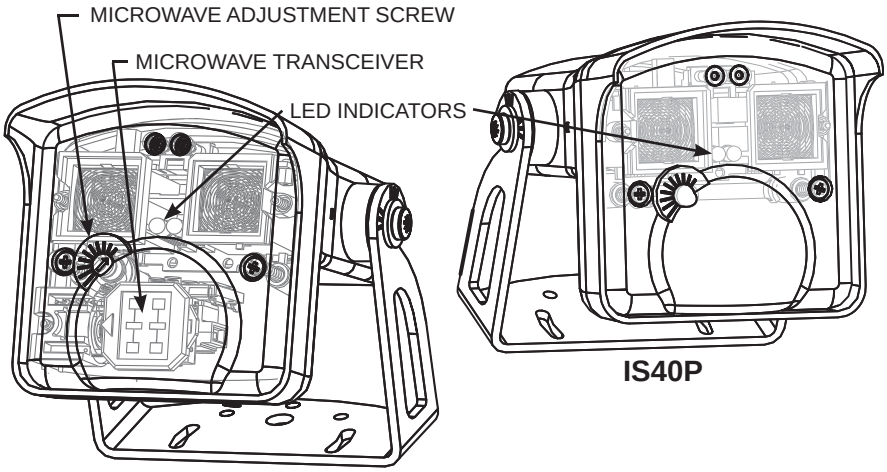
IS40 / IS40P
QUICK SETUP GUIDE

COMBINED ACTIVE INFRARED / MICROWAVE AND ACTIVE INFRARED ONLY SENSOR

1 Description

- The IS40 uses Microwave technology for activation and Active Infrared (IR) technology for presence detection
- The IS40P uses Active IR technology for presence detection only and the activation relay can be triggered by entering or exiting the IR field
- Microwave Transceiver can be adjusted 30 degrees
- IR Presence area is 10' x 10' at 16' high
- Operate on 12-24 VAC/DC +/- 10%
- Installation Height: 8' to 16'
- Ceiling or Wall Mount
- Remote Control Accessible

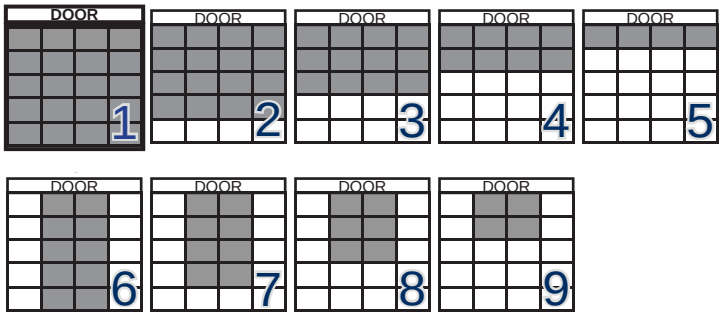
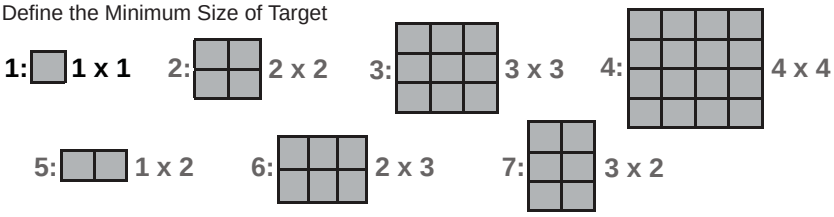


2 Wiring / Setup

1 Sensor Wiring

LABEL	POWER (VAC/DC)		ACTIVATION RELAY			PRESENCE RELAY		
	12-24	12-24	COM	NO	NC	COM	NO	NC
COLOR	RED	BLACK	WHITE	GREEN	YELLOW	WHITE W/BLACK STRIPE	GREEN W/BLACK STRIPE	YELLOW W/BLACK STRIPE

2 Remote Control Parameters

FUNCTION	AFFECTS INFRARED OR MICROWAVE	REMOTE CONTROL BUTTON	FUNCTION DESCRIPTION
AUTOMATIC LEARN TIME	INFRARED		0: 30 seconds 1: 1 minute 2: 2 minutes 3: 5 minutes 4: 10 minutes 5: 20 minutes **6: 60 minutes** 9: ∞ (Infinity)
IMMUNITY	INFRARED		1: Low (Normal) 2: Medium (Rain) 3: High (Snow)
PATTERN	INFRARED		
FREQUENCY	INFRARED		**1: L - L' Pulse Frequency** 2: H - H' Pulse Frequency
TARGET SIZE	INFRARED	F2	Define the Minimum Size of Target 

2 Remote Control Setup (Continued)

FUNCTION	AFFECTS INFRARED OR MICROWAVE	REMOTE CONTROL BUTTON	FUNCTION DESCRIPTION
SENSITIVITY	MICROWAVE		0-9: **(7-Default)**
DETECTION MODE	MICROWAVE		1: Bidirectional (Towards or Away from Sensor) **2: Unidirectional Approach (Towards Sensor)** 3: Unidirectional Depart (Away from Sensor) Height = 16 ft. Sensitivity 9, 6, 3
REJECTION MODE	MICROWAVE		1: Detection of all Kind of Targets in Motion 2: Detection of all Kind of Targets in Motion + Interference Immunity 3: Low 'Pedestrian/Parallel traffic' Rejection + Interference Immunity 4: Medium 'Pedestrian/Parallel traffic' Rejection + Interference Immunity 5: High 'Pedestrian/Parallel traffic' Rejection + Interference Immunity
ACTIVATION RELAY HOLD TIME	INFRARED MICROWAVE		**0: 0.5 second** 1: 1.0 second 2: 2.0 seconds 3: 3.0 seconds 4: 4.0 seconds 5: 5.0 seconds 6: 6.0 seconds 7: 7.0 seconds 8: 8.0 seconds 9: 9.0 seconds
RELAY CONFIGURATION	INFRARED MICROWAVE		1: Activation Relay: Active, Presence Relay: Passive 2: Activation Relay: Passive, Presence Relay: Active 3: Activation Relay: Passive, Presence Relay: Passive **4: Activation Relay: Active, Presence Relay: Active** Detection: Active (COM–NO), Passive (COM–NC) No Detection: Active (COM–NO), Passive (COM–NC)
OUTPUT CONFIGURATION	INFRARED MICROWAVE	F1	PRESENCE RELAY: IS40 / IS40P **0 - 4: ALL MODES**: **Activates when object is in presence zone.** / **Activates when object is in presence zone.** ACTIVATION RELAY: IS40 / IS40P **0: STANDARD MODE**: **Activates when motion detected.** / **Activates when object is in presence zone.** 1: PULSE ON ENTRY: Activates if object motion is detected and then object enters presence zone. / Activates when object enters presence zone. 2: PULSE ON EXIT: Activates if object motion is detected and then object exits presence zone. / Activates when object exits presence zone. 3: PULSE ON ENTRY FIRST / LAST LINE (See Example to the Left): Activates if object motion is detected and then object enters presence zone (first or last line). / Activates when object enters presence zone (first or last line). 4: PULSE ON EXIT FIRST / LAST LINE (See Example to the Left): Activates if object motion is detected and then object exits presence zone (first or last line). / Activates when object exits presence zone (first or last line).
SETUP	INFRARED MICROWAVE		**Initiate Setup, press**
DEFAULT VALUES	INFRARED MICROWAVE		Set Factory Defaults, press

DOOR EXAMPLE: LAST LINE / FIRST LINE

3 Setup Sequence

1. Power on the sensor. Sensor automatically performs a Setup on power up and Setup is complete when Red/Green flashing stops.
2. If the Detection Zone (Background) permanently changes and a new Setup is required, perform a new Setup by pressing . Red & Green LEDs will blink rapidly until setup is complete.

NOTE: Avoid movement in the IR zone during setup.

3 Company Contact

OPEN UP NEW HORIZONS
A HALMA COMPANY

CAUTION

Do not leave problems unresolved. If a satisfactory solution cannot be achieved after troubleshooting a problem, please call BEA, Inc. If you must wait for the following workday to call BEA., leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution. The following numbers can be called 24 hours a day, 7 days a week. For more information, visit www.beasensors.com.

US and Canada: 1-866-249-7937
Canada: 1-866-836-1863
Northeast: 1-866-836-1863
Southeast: 1-800-407-4545
Midwest: 1-888-308-8843
West: 1-888-419-2564

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